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Head start by innovation:

# HIGH PERFORMANCE HYDRAULIC FLUIDS



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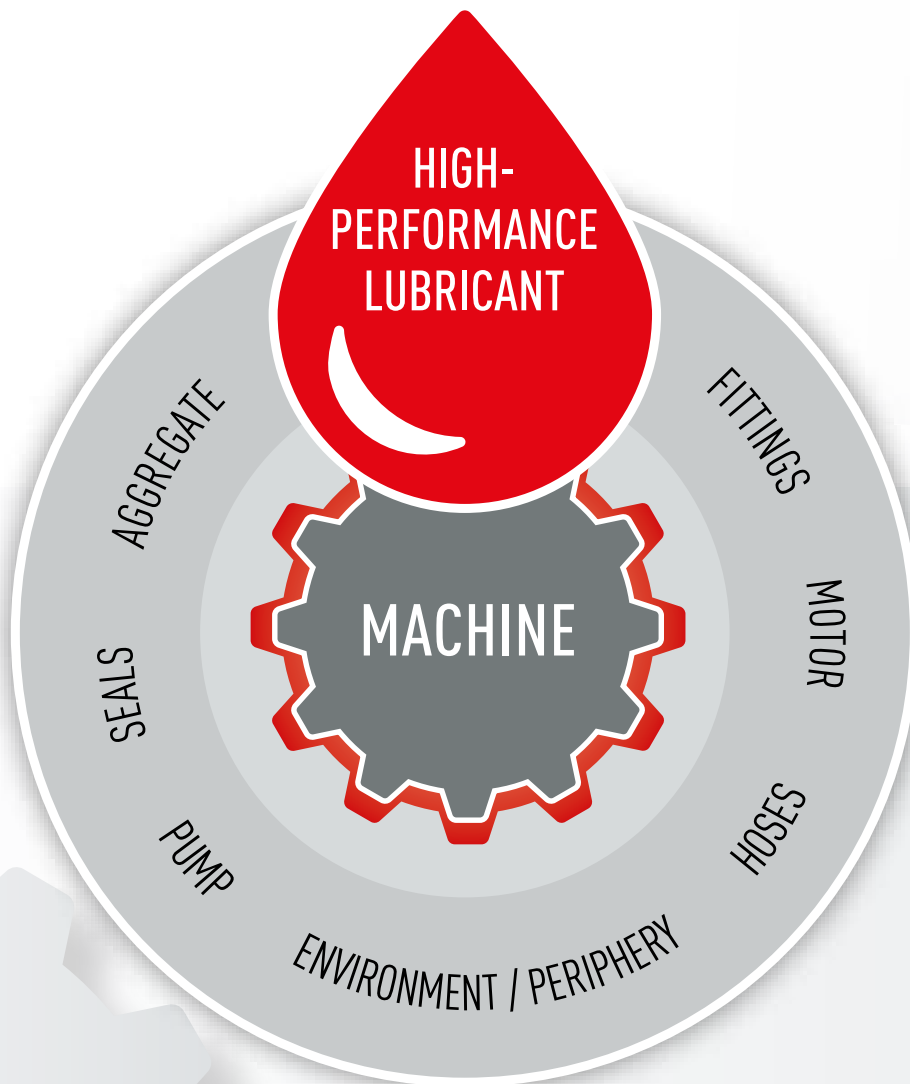
# AVIA SYNTOFLUID PE-B | AVIA SYNTOFLUID NSW | AVIA SYNTOFLUID EAL

**System performance and reliability as well as the components of mobile hydraulic machines, coupled with economic efficiency in operation and responsibility towards people, the environment, and surroundings are essential in their operation.**

This integrated development approach serves as the basis for our PAO high-performance hydraulic oils.

Cutting-edge hydraulic systems require low tolerances, sensitive regulation and control, a reduced maintenance and service effort as well as a long service life of hydraulic oil and components.

Based on this, our PAO high-performance fluids offer decisive added value for extra performance, reliability, responsibility, and economy!





**POWER**



**RELIABILITY**



**RESPONSIBILITY**



**ECONOMIC EFFICIENCY**





# POWER



Calling up maximal machine power, exactly when it is needed, is essential for successful operation of mobile hydraulic systems.

In the best case, the power transmission medium opens up additional power reserves at the longest possible service life and low service effort. A high viscosity index ensures a constant temperature/viscosity character in the lubricant, even at severe climate changes and extended machine standby periods.

This optimises our high-performance hydraulic oils for the machine's performance requirements to ensure smooth operation for the user.



## Your additional performance benefit:

- Higher productivity by improved cold-start properties and shortening of the warm-up phase in the low-temperature range.
- Guaranteed year-round use without any additional oil changes.
- Reliable function even where system-related mixing with conventional mineral oil occurs, e.g. in situations with changing attachments.
- Specially formulated, tried and tested high-performance hydraulic oil extends machine availability with longer change intervals.
- DEKRA-PSR tested, sustainable product quality for AVIA SYNTOFLUID PE-B in the product category of high-performance hydraulic fluids (QR code for more information).



Dekra-PSR

# RELIABILITY

As a lubricant manufacturer, we focus on targeted definition of base oils and additives in order to produce consistently high-quality lubricants. This permits reliable and precise work, even in difficult situations.

Machine manufacturers, users, rental fleets, and their customers can benefit from this performance promise.

We provide support through analysis and professional diagnostics, with a clear focus on extended oil change intervals, in our in-house accredited laboratory.



## Extra reliability for you:

- Smart PAO hydraulic fluid forms the perfect link between man and machine for quick and precise work at all times, in particular with long booms.
- Extremely high fluid function, even in the presence of water amounts typical for the application. No additional filters needed.
- Good material compatibility with seals and hoses effectively reduces the risk of leaks while increasing service life.
- Immediately ready for use, independently of ambient temperatures, due to stable viscosity properties.
- Reliable function even when mixed with conventional mineral oil for system-related reasons.
- Extended component and fluid service life, supported by optimised air separation capacity and foaming behaviour.

# RESPONSIBILITY



We are experienced experts in the production of high-performance hydraulic oils, developing our products and services for sustainable use. Clear commitment to quality regarding people, machines, the environment, and our surroundings is essential for us. Sustainability also means observing economic security, social-ethical justice, and economic balance.

We have set clear goals for ourselves in order to fulfill this claim. Our work processes are characterised by sustainability and responsibility. We show active commitment to minimising the impact of our products on the environment and reducing our ecological footprint. To this end, we work closely with our customers and partners to develop sustainable solutions together.



## Extra responsibility for you:

- Maximum performance even in environmentally sensitive areas.
- Responsibility for people and the environment – no skin irritation upon contact. Recognised environmental signs are met (type 1, type 2).
- Fuel- and energy-saving potentials permit significant CO2 reductions due to smooth operation, reduced friction, and constant temperature/viscosity.
- Avoidance of major environmental damage by immediate visibility, determination, and ability to remove any unexpected leaks in areas near water.
- No additional oil disposal – hydraulic oil from flushing can be reused as mineral oil.
- AVIA SYNTOFLUID EAL with H1 approval for hygiene-sensitive areas such as agriculture, the food and the animal feed sector.



PAO high performance fluids



# ECONOMIC EFFICIENCY

Our PAO hydraulic oils are designed as efficient benefactors for all users in their many areas of application. They offer material and financial savings potentials in many respects throughout the entire machine life cycle.

This results in tangible added value for our customers. Less effort for greater return. BANTLEON's PAO hydraulic oils thereby make a major contribution to enabling our customers to design their processes more efficiently and thus act more economically.



## Extra economic efficiency for you:

- Economical consumption due to very smooth operation.
- Specially designed hydraulic oil with long service life for long change intervals, reducing service times and machine costs.
- Increased economic efficiency in the machine by permitting use in environmentally sensitive areas. No re-oiling necessary!
- Productivity increase by greater machine availability.
- Reduced repair/service costs due to reduced risk of cavitation from air and foam in the cycle.



**Headquartered in Ulm**  
**Hermann BANTLEON GmbH**

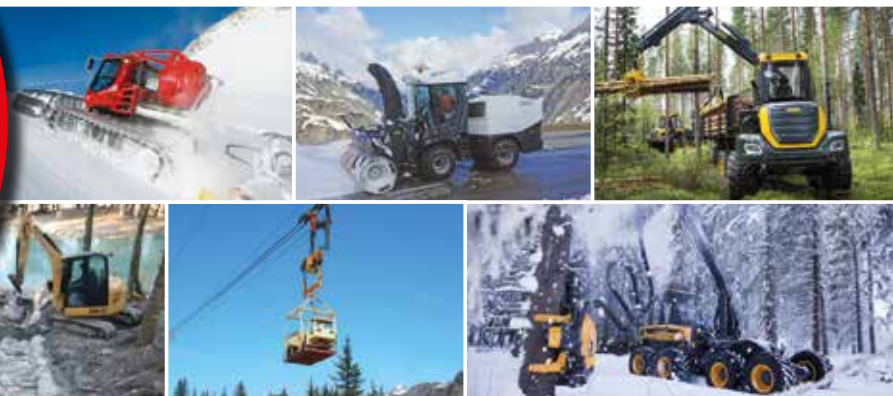
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